(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

550441

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085000 A1

(51) International Patent Classification[7]: A62C 2/08, 31/24

(21) International Application Number:
PCT/AU2004/000363

(22) International Filing Date: 25 March 2004 (25.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003901364 25 March 2003 (25.03.2003) AU
2004900082 7 January 2004 (07.01.2004) AU

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

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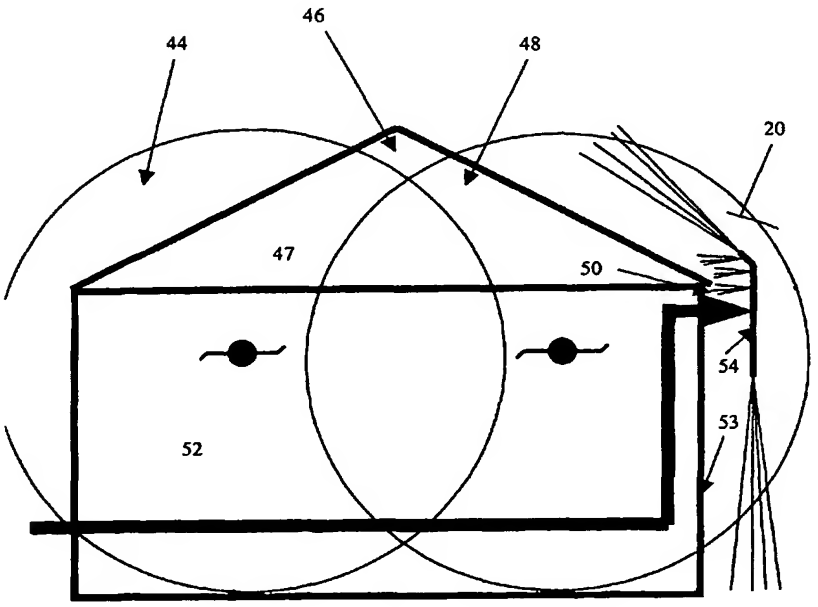
(54) Title: APPARATUS FOR FIRE CONTROL



(57) Abstract: According to one aspect of the present invention there is provided a fire fighting apparatus, including one or more sprinklers, the or each sprinkler in the use position being mounted in the region of a structure so that when fluid is forced under pressure through the or each sprinkler, a radiant heat barrier of fluid droplets is formed. According to another aspect of the present invention there is provided a sprinkler head suitable for use in forming a radiant heat barrier in the form of droplets of fire-fighting fluid in at least a single plane, the sprinkler head including at least one radial arm pivotally connected at its centre to a hub about which the or each radial arm pivots, the or each arm including one or more generally tangential extensions, the or each extension disposed at an outer end of, and in fluid communication with a respective radial arm, so that fire-fighting fluid may be sprayed from the sprinkler head to form the radiant heat barrier in at least the radial plane. According to yet another aspect of the present invention there is provided a fire fighting apparatus suitable for use with a sprinkler or sprinkler system, the sprinkler and sprinkler system including a water supply under pressure, the water delivered to one or more selected locations via water delivery pipes having an outlet at the selected location and at least one sprinkler head in fluid communication with the outlet, the fire fighting apparatus including: a fire retardant supply and a proportioning means in fluid communication with the fire retardant supply and water delivery pipes, wherein the proportioning means delivers the fire retardant in a selected and controlled concentration to the water supply in the water delivery pipes.

WO 2004/085000 A1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

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